

IN THE CLAIMS

Please amend Claims 22, 25, 28, 31, 34, and 37. The following is a complete listing of claims and replaces all prior versions and listings of claims in the present application:

Claims 1-21 (canceled)

Claim 22 (currently amended): A communication system comprising:

a first apparatus in a wireless network;

a second apparatus in a wired network; and

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a communication apparatus that is ~~communicable to~~ arranged to communicate with the first apparatus, and is ~~communicable to~~ arranged to communicate with the second apparatus,

wherein the communication apparatus includes a first communication unit, a ~~conversion unit~~, a decoding unit, an encoding unit, and a second communication unit,

wherein the first communication unit is adapted to receive ~~[[a]]~~ first encoded video data encoded by a first encoding system and transmitted from the first apparatus,

wherein the ~~conversion unit is adapted to convert the first video data into a second video data encoded by a second encoding system, and~~

↓ decoding
wherein the encoding unit is adapted to decode the first encoded video data into video data,

wherein the encoding unit is adapted to encode the video data into second encoded video data using a second encoding system, and

wherein the second communication unit is adapted to transmit the second encoded video data to the second apparatus.

Claim 23 (previously presented): A communication system according to claim 22, wherein

the first apparatus is a video camera, and

the second apparatus is an apparatus adapted to record the second video data on a recording medium.

Claim 24 (previously presented): A communication system according to claim 22, wherein

the first apparatus is a video camera, and

the second apparatus is an apparatus adapted to display the second video data.

Claim 25 (currently amended): A communication apparatus that is ~~communicable to~~ arranged to communicate with a first apparatus in a wireless network and is ~~communicable to~~ arranged to communicate with a second apparatus in a wired network, the communication apparatus comprising:

a first communication unit adapted to receive ~~[[a]]~~ first encoded video data encoded by a first encoding system and transmitted from the first apparatus;

a conversion unit adapted to convert the first encoded video data into ~~[[a]]~~ second video data encoded by a second encoding system; and

a decoding unit, adapted to decode the first encoded video data into video data;
an encoding unit, adapted to encode the video data into the second encoded
video data using the second encoding system; and
a second communication unit adapted to transmit the second encoded video data to the second apparatus.

D' Claim 26 (previously presented): A communication apparatus according to claim 25, wherein
the first apparatus is a video camera, and
the second apparatus is an apparatus adapted to record the second video data on a recording medium.

Claim 27 (previously presented): A communication apparatus according to claim 25, wherein
the first apparatus is a video camera, and
the second apparatus is an apparatus adapted to display the second video data.

Claim 28 (currently amended): A communication method for a communication apparatus that is ~~communicable to~~ arranged to communicate with a first apparatus in a wireless network and is ~~communicable to~~ arranged to communicate with a second apparatus in a wired network, the communication method comprising the steps of:

receiving ~~[[a]]~~ first encoded video data encoded by a first encoding system and transmitted from the first apparatus;

~~converting the first video data into a second video data encoded by a second encoding system; and~~

decoding the first encoded video data into video data;

encoding the video data into second encoded video data using a second encoding system; and

transmitting the second encoded video data to the second apparatus.

Claim 29 (previously presented): A communication method according to claim 28, wherein

the first apparatus is a video camera, and

the second apparatus is an apparatus adapted to record the second video data on a recording medium.

Claim 30 (previously presented): A communication method according to claim 28, wherein

the first apparatus is a video camera, and

the second apparatus is an apparatus adapted to display the second video data.

⇒ Claim 31 (currently amended): A communication system comprising:

a first apparatus in a wireless network;

a second apparatus in a wired network; and
a communication apparatus that is ~~communicable to~~ arranged to communicate
with the first apparatus and is ~~communicable to~~ arranged to communicate with the second
apparatus,

wherein the communication apparatus includes a first communication unit, a
~~conversion unit~~, a decoding unit, an encoding unit, and a second communication unit,

wherein the second communication unit is adapted to receive [[a]] second
encoded video data encoded by a second encoding system and transmitted from the second
apparatus,

wherein the ~~conversion unit is adapted to convert the second video data into a~~
~~first video data encoded by a first encoding system, and~~

wherein the decoding unit is adapted to decode the second encoded video data
into video data,

wherein the encoding unit is adapted to encode the video data into first
encoded video data using a first encoding system, and

wherein the first communication unit is adapted to transmit the first encoded
video data to the first apparatus.

Claim 32 (previously presented): A communication system according to claim
31, wherein

the first apparatus is an apparatus adapted to record the first video apparatus on
a recording medium, and

the second apparatus is an apparatus adapted to reproduce the second video data from a recording medium.

Claim 33 (previously presented): A communication system according to claim 31, wherein

the first apparatus is an apparatus adapted to display the first video data, and
the second apparatus is an apparatus adapted to reproduce the second video data from a recording medium.

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⇒ Claim 34 (currently amended): A communication apparatus that is ~~communicable to~~ arranged to communicate with a first apparatus in a wireless network and is ~~communicable to~~ arranged to communicate with a second apparatus in a wired network, the communication apparatus comprising:

a second communication unit adapted to receive ~~[[a]]~~ second encoded video data encoded by a second encoding system and transmitted from the second apparatus;

~~a conversion unit adapted to convert the second video data into a first video data encoded by a first encoding system; and~~

a decoding unit adapted to decode the second encoded video data into video data;

an encoding unit adapted to encode the video data into first encoded video data using a first encoding system; and

a first communication unit adapted to transmit the first encoded video data to the first apparatus.

Claim 35 (previously presented): A communication apparatus according to claim 34, wherein

the first apparatus is an apparatus adapted to record the first video data on a recording medium, and

the second apparatus is an apparatus adapted to reproduce the second video data from a recording medium.

Claim 36 (previously presented): A communication apparatus according to claim 34, wherein

the first apparatus is an apparatus adapted to display the first video data, and

the second apparatus is an apparatus adapted to reproduce the second video data from a recording medium.

Claim 37 (currently amended): A communication method for a communication apparatus that is ~~communicable to~~ arranged to communicate with a first apparatus in a wireless network and is ~~communicable to~~ arranged to communicate with a second apparatus in a wired network, the communication method comprising the steps of:

receiving [[a]] second encoded video data encoded by a second encoding system and transmitted from the second apparatus;

~~converting the second video data into a first video data encoded by a first encoding system; and~~

decoding the second encoded video data into video data;

encoding the video data into first encoded video data using a first encoding system; and

transmitting the first encoded video data to the first apparatus.

Claim 38 (previously presented): A communication method according to claim 37, wherein

the first apparatus is an apparatus adapted to record the first video data on a recording medium, and

the second apparatus is an apparatus adapted to reproduce the second video data from a recording medium.

Claim 39 (previously presented): A communication method according to claim 37, wherein

the first apparatus is an apparatus adapted to display the first video data, and

the second apparatus is an apparatus adapted to reproduce the second video data from a recording medium.
